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| Renal Directorate GuidelinesRoyal Infirmary of Edinburgh |

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| **Indication** | * Empirical antibiotic (with vancomycin) for line sepsis (review ongoing need when culture results are available)
* All other indications as per NHS Lothian Antimicrobial guideline
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| **Dosage and administration** | **\*\* Do NOT use Gentamicin Calculator on the Intranet \*\***Dose – 2mg/kg (up to a maximum of 180mg).* Please use **dry weight**. This is particularly important in patients with oedema.
* Where possible, please administer via dialysis access at the end of dialysis.
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| **Concentration** | 80mg/2ml or diluted for infusion |
| **Stability** | Please use reconstituted solution as soon as possible. |
| **Reconstitution instructions** | **IV injection - to be administered over 5 minutes**Can be given undiluted (40mg/ml) or diluted in 10-20ml of 0.9% NaCl or 5% Dextrose to aid slow bolus injection. **IV infusion - to be infused over 20 minutes**Dilute in 100ml of 0.9% NaCl or 5% Dextrose |
| **Monitoring** | For new patients starting on gentamicin, a pre-dialysis level is not required prior to the first dose.**INPATIENTS:*** **Dialysis days:**  Take a level pre-dialysis. Dose if level is **<3mg/L.**
* **Non-dialysis days:** Please take a level before the expected dosing time. Dose to be administered if level is **<2mg/L.**

**OUTPATIENTS:*** Take a level pre-dialysis. Dose if level is **<3mg/L.**
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| **Additional information** | Gentamicin is removed via haemodiafiltration and haemodialysis. Therefore, the dose must be given at the end of a dialysis session. |

**Gentamicin For Patients Who Receive Haemodialysis** |  |